

Amendment to the Abstract:

At page 20, please delete the current Abstract and replace it with the following amended Abstract.

A drive circuit for an LED array which comprises a first LED cluster (40) and at least one second LED cluster (42, 44), the switch (S1, S2, S3) being arranged in series with each LED cluster (40, 42, 44), and each LED cluster (40, 42, 44) having a supply terminal. A control loop (46) is designed to drive the a switch (S1) of the first LED cluster (42) so as to achieve a constant mean value of the current (I_{LED}) flowing through the first LED cluster (42), the control loop (46) being designed for also driving the switches of the further LED clusters (42, 44). The drive circuit also comprises a total current detection device (R_{MES}) with the aid of which it is possible to determine an actual magnitude (U_{Mess}) which corresponds to the sum of the currents through at least two, in particular through all of the second LED cluster (42, 44). A comparison unit (50) compares the actual magnitude (U_{Mess}) with a predefinable desired magnitude (U_{OL})